BRUHAT BANGALORE MAHANAGARA PALIKE

PWD FORM - 45 (WORK SLIP)

Name of Work: Improvements of Roads and Drains at HMT Layout, Thindlu, Virupakshapura and surrounding area in Ward No. 09 (Vidyaranyapura).

Name of Agency: Sri Aswathnagarayana, # 38, Chanappa Layout, Sharadhambanagara, Jalahalli Village, Bangalore - 560013.

Estimated Cost: 1,00,00,000.00

Tender Amount : Rs. 92,87,415.25

Work Order No. BBMP/EE/BTP/WO/154/2020-21 Dated: 08-12-2020

SL. No.	Description	Unit	Qty. as per Sanctioned Estimate			Qty. as per Tender			Actual executed Qty.	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total Executed Amount	Savings	Excess	Remarks
			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2018-19+/- T.P	Amount				
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*	*16*	*17*	*18*	*19*	*20*
1	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and	Cum	1111.16	243.88	270989.70	1111.16	300.00	333348.00	1132.78	1132.78	300.00	339834.00	0.00	0.00	0.00	339834.00		6486.00	
2	Providing and laying **Plain cement concrete of mix 1:3:6 with with OPC cement @ 220kgs, with crushed 40mm** and down size	cum	110.10	5421.90	596951.19	110.10	5500.00	605550.00	116.37	116.37	5500.00	640035.00	0.00	0.00	0.00	640035.00		34485.00	
3	Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6, edges of stones** chistle dressed in courses not less than 15 cms high,	cum	37.80	5811.98	219692.84	37.80	5811.00	219655.80	0.00	0.00	5811.00	0.00	0.00	0.00	0.00	0.00	219655.80		
4	Providing and laying in position **plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size** graded granite metal coarse aggregates @	cum	20.40	5599.98	114239.59	20.40	5599.00	114219.60	0.00	0.00	5599.00	0.00	0.00	0.00	0.00	0.00	114219.60		
5	Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of	sqm	72.00	102.82	7403.04	72.00	149.00	10728.00	0.00	0.00	149.00	0.00	0.00	0.00	0.00	0.00	10728.00		
6	Providing laying palin / reinforced cement concrete for side drains using M 20 nominal mix concrete with OPC at 300 kgs with 20 mm and down size granite metal course	Cum	206.01	7070.20	1456531.90	206.01	7200.00	1483272.00	279.29	257.51	7200.00	1854072.00	21.78	7417.35	161549.88	2015622.00		532350.00	
7	Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding	Tonne	12.36	72326.98	893961.47	12.36	72326.00	893949.36	16.76	15.45	72326.00	1117436.70	1.31	75878.23	99400.48	1216837.00		322887.64	
8	Providing **precast slab of 100mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in	Sqm	588.60	2337.00	1375558.20	588.60	2337.00	1375558.20	326.07	326.07	2337.00	762025.59	0.00	0.00	0.00	762026.00	613532.20		

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			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2018-19+/- T.P	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
9	Providing **precast slab of 250mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc.,complete as per the direction of engineer in	Sqm	58.50	5418.00	316953.00	58.50	5418.00	316953.00	0.00	0.00	5418.00	0.00	0.00	0.00	0.00	0.00	316953.00		
10	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and	No	1453	432.48	628393.44	1453.00	432.00	627696.00	1724.00	1724.00	432.00	744768.00	0.00	0.00	0.00	744768.00		117072.00	
11	Providing and applying ready mix priming coat **over concrete** / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after	Sqm	261.60	39.22	10259.95	261.60	39.00	10202.40	310.32	310.32	39.00	12102.48	0.00	0.00	0.00	12102.00		1899.60	
12	Providing and applying spray painting in two coats (excluding priming coat) over concrete / masonry / asbestos cement sheet / plastered surfaces with flat wall	Sqm	261.60	90.10	23570.16	261.60	90.00	23544.00	310.32	310.32	90.00	27928.80	0.00	0.00	0.00	27929.00		4385.00	
13	Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by manual means without disturbing the base and stacking of the debris	Sqm	1548.82	95.40	147757.43	1548.82	95.00	147137.90	1664.32	1664.32	95.00	158110.40	0.00	0.00	0.00	158110.00		10972.10	
14	Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material	Cum	387.21	2001.28	774915.63	387.21	2001.00	774807.21	416.08	416.08	2001.00	832576.08	0.00	0.00	0.00	832576.00		57768.79	
15	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer	Sqm	1548.82	29.68	45968.98	1548.82	29.00	44915.78	1664.32	1664.32	29.00	48265.28	0.00	0.00	0.00	48265.00		3349.22	
16	Providing and laying **dense graded bituminous macadam** using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting	Cum	77.44	6407.70	496212.29	77.44	7000.00	542080.00	84.66	84.66	7000.00	592620.00	0.00	0.00	0.00	592620.00		50540.00	
17	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment	Sqm	4425.20	5.30	23453.56	4425.20	6.75	29870.10	4755.20	4755.20	6.75	32097.60	0.00	0.00	0.00	32098.00		2227.90	
18	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with	Sqm	4425.20	12.72	56288.54	4425.20	12.00	53102.40	4755.20	4755.20	12.00	57062.40	0.00	0.00	0.00	57062.00		3959.60	

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			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2018-19+/- T.P	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
19	Providing and laying **bituminous concrete 40 mm thick** with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler,	Cum	177.01	7355.34	1301968.73	177.01	9000.00	1593090.00	190.21	190.21	9000.00	1711890.00	0.00	0.00	0.00	1711890.00		118800.00	
20	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic	Sqm	193.25	454.74	87878.51	193.25	454.00	87735.50	208.25	208.25	454.00	94545.50	0.00	0.00	0.00	94546.00		6810.50	
	Sub Total				8848948.16											**9286320.00**		**1273993.35**	
	GST @ 12%				1061873.78														
	1% Third Party Inspection Charges				88489.48														
	Miscelaneous and unforgen charges	LS			689.00														
	Total				**10000000.00**			**9287415.25**								**9286320.00**	**1275088.60**	**1273993.35**	

0.012 Below

Percentage Excess $\frac{\text{1273993.35}}{\text{9287415.25}} \times 100$ = **13.72%**

Approved Tender Amount

SUMMARY:

1. **Estimated Cost : Rs. 100.00 Lakhs**
2. **Tender Cost : Rs. 92.87 Lakhs**
3. **Work Slip Amount Rs. 12,73,993.35 = 13.71 % of the Tender Amount**
4. **During execution as per requirement and site condition, the total Qty to be executed costs Rs. 92.86 Lakhs which is 0.012% BELOW the Tender cost. The proposal may kindly be approved.**

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division, Bangalore - 92

WORK SLIP APPROVED